# BRUHAT BANGALORE MAHANAGARA PALIKE

## BILL OF QUANTITIES (BOQ)

**Name of work: Estimate for Improvements to Roads, Drains and Culverts at Dasarahalli Bande and Maruthi layout in ward No. 06 Byatarayanapura Sub Division**

| Sl. No. | Approved Qty. | Description | Unit | Issued to Technical Manager , KRIDL | |
|---|---|---|---|---|---|
| | | | | In Figures | In Words |
| 1 | **61.55** | KSRB 2-1.1: Earth work in surface excavation in Hard soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1,P. No. 5/ Item No. 2.1/ PWD SR 2016-17 | cum | 86.92 | Rupees Eighty Six and Ninety Two Paise Only |
| 2 | **128.67** | KSRRB 300-1. Earth work excavation by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.MORTH chapter 3. No. 141/ Item No. 19.1/ PWD SR 2016-17 | Cum | 115.56 | Rupees One Hundred Fifteen and Fifty Six Paise Only |
| 3 | **380.79** | KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M 1:4:8 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2016-17 | **Cum** | 5159.02 | Rupees Five Thousand One Hundred Fifty Nine and Two Paise Only |
| 4 | **16.74** | KSRB 5.2.3 Providing and constructing granite / trap / basalt Size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 23/ Item No. 5.6/ PWD SR 2016-17 | cum | 4438.22 | Rupees Four Thousand Four Hundred Thirty Eight and Twenty Two Paise Only |
| 5 | **22.05** | KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 23/ Item No. 5.9/ PWD SR 2016-17 | **Sqm** | **5305.30** | Rupees Five Thousand Three Hundred Five and Thirty Paise Only |
| 6 | **36.66** | KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 16/ Item No. 4.34/ PWD SR 2016-17 | **Sqm** | **271.36** | Rupees Two Hundred Seventy One and Thirty Six Paise Only |
| 7 | **69.11** | KSRB 4-1.7 : : Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/P No. 13/ Item No. 4.7/ PWD SR 2016-17 | **cum** | 5598.92 | Rupees Five Thousand Five Hundred Ninety Eight and Ninety Two Paise Only |
| 8 | **31.00** | KSRB 15.1.3: Providing FLush pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 109/ Item No. 15.1/ PWD SR 2016-17 | Sqm | 102.82 | Rupees One Hundred Two and Eighty Two Paise Only |

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010

Signature of the contractor



17/03

Executive Engineer
Byatarayanapura Division
BBMP, Bangalore-92

17/03

Executive Engineer

| Sl. No. | Approved Qty. | Description | Unit | Issued to Technical Manager , KRIDL | |
|---|---|---|---|---|---|
| | | | | In Figures | In Words |
| 9 | 12.83 | KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2016-17 | Cum | 6371.66 | Rupees Six Thousand Three Hundred Seventy One and Sixty Six Paise Only |
| 10 | 1.22 | KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46.2/ PWD SR 2016-17 | Qtl | 64243.42 | Rupees Sixty Four Thousand Two Hundred Forty Three and Forty Two Paise Only |
| 11 | 269.60 | KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No. 24/ Item No. 5.27/ PWD SR 2016-17 | Sqm | 993.22 | Rupees Nine Hundred Ninety Three and Twenty Two Paise Only |
| 12 | 225.00 | Precast slab 20mm and down size for slab (including steel reinforcement) including centring and shutterng machine mixed concrete laid in layers not exceeding 15cms thick well compacted cost of all materials labour HOM of machineries curing complete as per specifications c.c 1:1.5:3 Including all cost of Matirial (DATA RATE ENCLOSED) 10cm thick RCC pre cast slab | Sqm | 1856.67 | Rupees One Thousand Eight Hundred Fifty Six and Sixty Seven Paise Only |
| 13 | 242.56 | Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 for raft foundation, column footing, main and secondary beams. Page No. 18/ Item No. 4.48/ PWD SR 2016-17 | Cum | 6231.74 | Rupees Six Thousand Two Hundred Thirty One and Seventy Four Paise Only |
| 14 | 554.00 | Providing groove cutting for Concrete pavement width of 5mm to 10mm and depth 80mm- 100mm including cost of cutting machine, generator & HOM of machinery, including cost of blade,coolant etc., including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications.(Page No 178., I.No.22.8 of PWD S.R 2016-17 | Rmtr | 121.90 | Rupees One Hundred Twenty One and Ninety Paise Only |
| 15 | 2356.00 | Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift No. 171/ Item No. 22.7/ PWD SR 2016-17 | Sqm | 95.40 | Rupees Ninety Five and Forty Paise Only |
| 16 | 157.14 | Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications (P.NO - 5, I.NO - 2.3, PWD SR 16-17) | Cum | 223.66 | Rupees Two Hundred Twenty Three and Sixty Six Paise Only |

EXECUTIVE ENGINEER-4
KRIDL BBMP DIVISION
BENGALURU-560 015

Signature of the contractor



17/03

Executive Engineer
Executive Engineer
Vijayarayanapura Division
BBMP, Bangalore-92

17/03

| Sl. No. | Approved Qty. | Description | Unit | Issued to Technical Manager , KRIDL | |
|---|---|---|---|---|---|
| | | | | In Figures | In Words |
| 17 | 194.00 | Providing and installing at site of work 63mm (0.662) PVC Pipes of 6 kg / cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., complete (P.NO - 94, I.NO - 13.73.2, PWD SR 16-17) | Mtr | 644.48 | Rupees Six Hundred Forty Four and Forty Eight Paise Only |
| 18 | 87.30 | Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications (P.NO - 6, I.NO - 2.11, PWD SR 16-17) | Cum | 59.36 | Rupees Fifty Nine and Thirty Six Paise Only |
| 19 | 190.22 | Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km ( Page No.123, | Cum | 73.12 | Rupees Seventy Three and Twelve Paise Only |

1. The work should be executed as per the specification and standard specified by the PWD & Other specifications of the
2. The work should be carried out as per the directions and instructions of the concerned Engineer
3. The Contractor should maintain the quality of work as per the standard specifications.

17/03

Executive Engineer (Byatarayanapura)
Bruhath Bangalore Mahanagara Palike

Executive Engineer
Byatarayanapura Division
BBMP, Bangalore-92

I am prepared to take up the above work at the rates quoted by me in the Schedule 'B'.

17/03

CONTRACTOR

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 016